FETAL MONITOR - CMS-800F

Features

■ Single or Twins Ultrasound transducer
■ Data Graph and Trend Table Review of both mother and fetal
■ Built-in thermal printer
■ Built-in Network capability for connect with central monitoring software
■ Programmable alarms
■ All the colors and looks or the parameters can be customized
■ Multi-face views, select focus on mother or fetal
■ Storage of patient information and data

Performance Specifications

■ Display:8.4" Color TFT
■ Resolution:640x480
■ Display Mode: StandardView, FetalView, MotherView
■Indicator: Power indicator light, Alarm sound
■Interface: Socket for connecting fetal's FHR, TOCO, and Fetal Movement sensor socket for connecting mother's ECG, NIBP and SPO2 sensor.Net Socket(RJ45) for communication cable with Central Monitoring Station Sofrware.
■ Power Supply: AC 100 ~ 240V, 50/60Hz, Power< 60VA
■ Trend Graph: Resolution from 1s, 5s, 10s. Maximum time: 96 hours.
■ Trend Table: Resolution from 1s, 5s, 10s. Review up to 1000 items.
■Alarm: Adjustable High and Low limits. Three level audible and visual alarm.
■ User Configuration: All the color of parameters and waves can be set according to user's willing.

Technical specifications

■ Safety
■ Meet the requirement of IEC60601 series
■ Type of Protection: Class II with internal electric power supply
■ Degree of Protection: BF
■ Dimension and Weight
■ Dimension: 92(W)x82(H)x22(D)mm
■ Weight: 3.6kg (with battery)

Operation Environment

■ Temperature: 0▫ ~ +40▫
■ Humidity: 15% ~ 95%

Storage Environment
■ Temperature:-20▫ ~ +60▫
■ Humidity:10% ~ 95%
■ Patient Range: Pregnant Adult

FHR
■ Ultrasound Frequency: 2MHz
■ Range: 50 ~ 210 bpm
■ Resolution: 1bmp
■ Accuracy: ±2bmp

TOCO
■ Range: 0 ~ 100%
■ Resolution: 1%
■ Non-linear Error: <=±8%
■ Zero control: Manual
FETAL MOVEMENT:
■ Manual fetal movement mark

SPO2
■ Measurement Range: 0 ~ 100%
■ Resolution: 1%
■ Accuracy: ±2%(70%~100%, Adult/Pediatric, non-motion)
±3%(70%~100%, Neonate, non-motion)0% ~ 69% unspecified
■ Alarm Range: 0% ~ 100%
■ Refreshing Rate: 1s

Pulse Rate
■ Measurement Range: 25 ~ 250 bpm
■ Resolution: 1bpm
■ Accuracy: ±3 bpm (non-motion)
■ Alarm Range: 25 ~ 250 bmp
■ Refreshing Rate: 1s

ECG
■ Lead mode: 3-lead or 5-lead
■ Lead selection: I, II, III, AVR, AVL, AVF, V
■ HR range: 15 ~ 300 bpm
■ ECG Waveform: 2 channels
■ Accuracy: ±2bpm or ±2%, which is greater
■ S-T segment detection range: -2.0mv ~ +2.0mv
■ Arrhythmia analysis: 13 kinds of arrhythmia
■ Alarm Range: 15 ~ 300 bpm

NIBP
■Method: Oscillometry
■Mode: Manual/Auto/Continuous
■ Measurement Range: 25 ~ 260mmHg
■Auto Measure Interval: 5, 10, 15, 30, 45, 60, 90 minutes
■ Resolution: 1mmHg
■ Overpressure Protection: 300mmHg
■ Alarm range: 25 ~260mmHg

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FETAL MONITOR - CMS800 Fetal Monitor

Feature

CMS 800 is a lightweight, space-saving fetal monitor, ensure external and internal monitoring parameters .It can be used up to and during the second stage labor. It also can be connected to the obstetrical central station to construct central monitoring system.

■Light weight, space-saving, easy operation
■Nine elements high sensitive probe
■ Basic function: FHR, TOCO, fetal movement, twins monitoring and automatic channel recognition.
■ Wide range of applying voltage (100-250V)
■ Automatic Fetal Movement Detection
■ Built-in network/PC connecting interface
■ Software for data recording, analyzing and display

Specification

FHR Online: RS-232, RS485
2 MHz pulse wave Operation Environment
Rang of the heart rate: 50-210bpm Electric specification:100-250V AC: 50Hz
Precision: ±1bpm Temperature: 5□-40□
Record differentiated: 30bpm/cm Applicable range:
UA FHR heart rate monitor
0-100 units precision: ±1 UA TOCO monitor
Monitor performance Record: build-in thermal record
Display: The red alarm display of the high Option:
Brightness LED power supply indicator light, MFM
audible and visual alarm DECG
Alarm: upper and lower limit alarm IUP

FETAL MONITOR - CMS800G Fetal Monitor

Instructions

Fetal Monitor can acquire fetal heart rate, maternal uterine contraction when pregnancies over 28 weeks to provide reference data for clinical use. The monitor can be used individually or connected with PC through RJ45 Interface for the purpose of central monitoring.
It is only suitable for the equipment in hospitals, clinics, doctors offices and patients at home by professional medical personnel.

Major Features

◆Light dexterous appearance, tops horizontally and walls can be hoisted
◆8.0 "screen color LCD display, rotatable screen to 60°
◆Display of the patient data and curve clearly
◆FHR 120 BPM~160 BPM normal range label
◆Manual records fetal movement
◆Sound and color alarm for high and low fetal heart rate
◆Continuous 24-hour real-time monitoring function
◆Continuous 12-hour patient curve and data storage , playback and print
◆With picture freeze function
◆Optional English interface
◆Single, Twins Monitoring optional
◆9 crystal board band pulsed wave transducer
◆Extra-long life, high-resolution built-in thermal recorder
◆Built-in communication port, can be connected with central monitoring system.

Main performance

Security:
Anti-shock types: Facilities I, no internal power supply Anti-electric Shock Degree: B Working Voltage: AC 100 V~240 V Frequency: 50 Hz/60 Hz P＜60 VA Fuse: T1.6AL250VDisplay
Dimensions: 8.0 "color LCD display, folding 60 degree

Display

Content: bed No. , pregnancy weeks, age, paper speed, date, time , volume, alarm status, transducer connection status, recorder status, FHR data and wave, Contraction data and wave, Fetal move times and mark etc.

Print

Record Paper two-double type Z
Print Width: 112 mm
Valid Print Width: 104 mm
Paper output speed: 1 cm/min、2 cm/min、3 cm/min(optional)
Data Precision: ±5 %（X Roll）， ±1 %（Y Roll）
Record Content: hospital , bed No. ,name, pregnancy weeks, patient No., paper speed, date, time , FHR data and wave, Contraction data and wave, Fetal move times and mark etc.

Ultrasound probe

Nominal Frequency: 1.0 MHz
Work Frequency: 1.0 MHz±10 %
Negative peak sound pressure: p_＜ 1 MPa
Output beam intensity: Iob＜20 mW/cm2
The peak time space peak intensity: Ispta＜100 mW/cm2
The average time space peak intensity: Isata＜10 mW/cm2
FHR Rang: 50 BPM~240 BPM
Resolution: 1 BPM
Accuracy: ±2 BPM

TOCO

TOCO range: 0~100 %
Resolution: 1 %
Nonlinear error: ＜±10 %
RZ way: Manually

Fetal Marking

For the manual button (the operation of pregnant women), there will be a mark display in the bottom area of FHR wave display section.
FHR Alarm:
Alarm for high and low FHR, which exceeds appointed limit.

Accessories

Sell in standard

◆Transducers（Ultrasound Transducer Ⅰ, TOCO Transducer, Remote Marker）
◆Abdomen belt
◆Record Paper
◆Power supply line
◆Earth line
◆Two Fuses
◆User manual

Sell in addition

◆Ultrasound TransducerⅡ

Physical Characteristics

Size: 320 mm (length) × 260 mm (width) × 80 mm (height)
Weight: about 3 kg

FETAL MONITOR - CMS9000 Maternal/Fetal Monitor

Introduction

CMS9000F Maternal /Fetal Monitor, designed for the application in the antepartum, intrapartum and postpartum applications.
CMS9000F is suitable for private obstetrician office, antepartum clinic, moving situation or home monitoring situation. It offers most advanced integrated monitoring of fetus and mother.

Option

Twins monitoring capability
Thermal printer or inkjet printer

Features

- Support external thermal printer or inkjet printer
- Built-in rechargeable battery, DC/AC power supply
- Built-in network capability
- Large color TFT screen display waveforms and digitals
- Maternal Parameters: ECG, SPO2, NIBP, RESP, TEMP
- Automatic Fetal Movement Detection, AFM waveform display
- 24 hours monitoring data storage and reload
- Acceleration and Deceleration measurement ability
- Baseline, acceleration and deceleration analysis capability
- Easy operation by with shortcut key and rotary knob
- Super printing functions
- Automatic monitoring mode, parameters configurable
- Clinical data management, can be reload, reanalysis, reprint
- Visual and audio alarm, comply with international standard